 <p align="center"><b>TRANSMITTAL FORM</b></p>	Application Serial Number	10/791,218
	Filing Date	March 2, 2004
	First Named Inventor	Zheng
	Group Art Unit	1732
	Examiner Name	Not yet assigned
	Attorney Docket No.	MFL-004
	Patent No.	Not applicable
Issue Date	Not applicable	

**ENCLOSURES (check all that apply)**

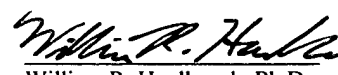
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form  <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]  <input type="checkbox"/> Petition for Extension of Time  <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations C108-C118  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application  <input type="checkbox"/> Formal Drawing(s)  <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal  <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application  <input type="checkbox"/> Small Entity Statement  <input type="checkbox"/> CD(s) for large table or computer program  <input type="checkbox"/> Amendment After Allowance  <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences  <input type="checkbox"/> Appeal Brief (in triplicate)  <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8  <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8  <input type="checkbox"/> Additional Enclosure (please identify below)
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**SIGNATURE BLOCK**

Respectfully submitted,

  
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**PATENT**  
Attorney Docket No.: MFL-004  
(5407/11)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Zheng *et al.* CONFIRMATION NO.: 3942  
SERIAL NO.: 10/791,218 GROUP NO.: 1732  
FILING DATE: March 2, 2004 EXAMINER: Not yet assigned  
TITLE: APPARATUS AND METHODS FOR PREDICTING  
PROPERTIES OF PROCESSED MATERIAL

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 28th day of January, 2005.

Lisa Marie Solis

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Supplemental Information Disclosure Statement (2 pgs.);
3. Form PTO-1449 (1 pg.);
4. Copy of cited references C108-C118; and
5. Return Receipt Postcard.

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**PATENT**  
Attorney Docket No. MFL-004  
(5407/11)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Zheng et al. CONFIRMATION NO.: 3942  
SERIAL NO.: 10/791,218 GROUP NO.: 1732  
FILING DATE: March 2, 2004 EXAMINER: Not yet assigned  
TITLE: Apparatus and Methods for Predicting Properties of Processed Material

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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<b>FORM PTO - 1449</b> <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>				<b>ATTORNEY DOCKET NO.:</b> MFL-004 <b>APPLICANT(S):</b> Zheng <i>et al.</i> <b>SERIAL NO.:</b> 10/791,218 <b>FILING DATE:</b> March 2, 2004 <b>GROUP:</b> 1732					
<b>U.S. PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE IF APPROPRIATE</b>		
<b>FOREIGN PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY CODE</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE</b>	<b>ABSTRACT ONLY</b>	<b>ENGLISH LANG Y/N</b>
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>								
	C108	Acierno <i>et al.</i> , "Effect of Molecular Weight on the Flow-Induced Crystallization of Isotactic Poly(1-butene)," <u>Rheol. Acta</u> , 42:243-250 (2003).							
	C109	Boutahar <i>et al.</i> , "Crystallization of Polyolefins from Rheological Measurements-Relation between the Transformed Fraction and the Dynamic Moduli," <u>Macromolecules</u> , 31:1921-1929 (1998).							
	C110	Duplay <i>et al.</i> , "Shear-Induced Crystallization of Polypropylene: Influence of Molecular Weight," <u>J. Mater. Sci.</u> , 35:6093-6103 (2000).							
	C111	Jay <i>et al.</i> , "Shear-Induced Crystallization of Polypropylenes: Effect of Molecular Weight," <u>J. Mater. Sci.</u> , 34:2089-2102 (1999).							
	C112	Keller <i>et al.</i> , "Flow Induced Orientation and Structure Formation," <u>H.E.H. Meijer (Ed.) Materials Science and Technology</u> , Vol. 18, Processing of Polymers, 189-268 (Wiley-VCH, New York, 1997).							
	C113	Kumaraswamy <i>et al.</i> , "Shear Enhanced Crystallization in Isotactic Polypropylene. 1. Correspondence Between in situ rheo-optics and ex situ Structure Determination," <u>Macromolecules</u> , 32:7537-7547 (1999).							
	C114	Mendoza <i>et al.</i> , "Spatial Distribution of Molecular Orientation In Injection Molded iPP: Influence of Processing Conditions," <u>Polymer</u> , 44:3363-3373 (2003).							
	C115	Seki <i>et al.</i> , "Shear-Mediated Crystallization of Isotactic Polypropylene: The Role of Long Chain-Long Chain Overlap," <u>Macromolecules</u> , 35:2583-2594 (2002).							
	C116	Swartjes, " <u>Stress Induced Crystallization in Elongational Flow</u> ," (Ph.D. Thesis, Technical University of Eindhoven, the Netherland, 2001).							
	C117	Tanner, "On the Flow of Crystallizing Polymers, I. Linear Regime," <u>J. Non-Newtonian Fluid Mech.</u> , 112:251-268 (2003).							
	C118	Zheng <i>et al.</i> , "Numerical Simulation of Crystallization in Injection Molding," <u>6<sup>th</sup> World Congress of Chemical Engineering</u> , CD Proc. Paper 110, (Melbourne, September 2001).							
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>				

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